

In the Claims

Claim 1 (original): An information system, comprising: a record carrier (1) having information marks along a track (11) thereof and exhibiting:

first variations caused by existence and nonexistence of the information marks along the track, said first variations representing an information signal recorded on said record carrier, and second variations (W) caused by variations associated with the information marks; the phase of the second variations being coupled to the phase of the first variations,

a playback apparatus (20) including:

a transducer unit (20A, 20e, 20c) for scanning said record carrier (1), said 10 transducer unit being adapted to detect said first variations and said second variations,

a first recovery unit (22) coupled to the transducer unit (20A, 20s, 20c) for recovering a clock signal (CL) from the first variations,

a second recovery unit (23) coupled to the transducer unit (20A, 20B, 20C) for recovering an information signal (S_{out}) from the first variations,

a detection unit (24) for detecting whether said second variations exhibit a predetermined variation pattern on the basis of at least one signal (S_A), which is at least indicative of said second variations, originating from said transducer unit, the detection unit (24) using the said clock signal (CL) for detecting, and

an enabling unit (5) for enabling said second recovery unit (23) to recover the 20 information signal (S_{out}) when said detection unit detects (24) said predetermined variation pattern.

Claim 2 (original): The system as claimed in claim 1, wherein said second variations exhibit a modulation pattern representing a code; and said detection unit includes a demodulation unit for recovering said code on the basis of said at least one signal, and an activation unit for activating said enabling unit when said code is recovered.

Claim 3 (original): The system as claimed in claim 2, wherein the information signal recorded on said record carrier is of a type which is recoverable by means of a predetermined type of data processing, said code indicating the predetermined type of data processing to be used for

recovering the information signal, and said playback apparatus further includes a unit for setting said recovery unit in a mode in which the predetermined type of data processing is performed when the information signal is recovered.

Claim 4 (original): A record carrier (1) having information marks along a track (11) thereof and exhibiting:

first variations caused by existence and nonexistence of the information marks along the track, said first variations representing an information signal recorded on said record carrier, and second variations (W) caused by variations associated with the information marks; the phase of the second variations being coupled to the phase of the first variations.

Claim 5 (original): A record carrier according to claim 4, characterized in that the second variations have either a first or a second phase with respect to the first variations.

Claim 6 (currently amended): A record carrier according to claim 5, characterized in that first and the second phase differ with 180 degrees.

Claim 7 (currently amended): A playback apparatus (20) including:

a transducer unit (20_A, 20_B, 20_C) for scanning ~~said a~~ record carrier (1), said transducer unit being adapted to detect at least said first variations and said second variations, said first variations representing an information signal recorded on said record carrier, and second variations (W) caused by variations associated with the information marks; the phase of the second variations being coupled to the phase of the first variations.

a first recovery unit (22) coupled to the transducer unit (20_A, 20_s, 20_c) for recovering a clock signal (CL) from the first variations,

a second recovery unit (23) coupled to the transducer unit (20_A, 20_s, 20_c) for recovering an information signal (S_{out}) from the first variations,

a detection unit (24) for detecting whether said second variations exhibit a predetermined variation pattern on the basis of at least one signal (S_A), which is at least indicative of said second variations, originating from said transducer unit, the detection unit (24) using the said clock signal (CL) for detecting and

an enabling unit (5) for enabling said second recovery unit (23) to recover the

information signal (Sout) when said detection unit detects (24) said predetermined variation pattern.

Claim 8 (new): A playback apparatus according to claim 7, characterized in that said predetermined variation pattern allows sampling of said second variations at twice the frequency of said second variations.

Claim 9 (new): A playback apparatus according to claim 7, characterized in that said second variation have a first and a second phase such that a predetermined relationship between said first and said second phase coincides to a start of frame.

Claim 10 (new): A playback apparatus according to claim 9, characterized in that said predetermined relationship is a zero crossing.

Claim 11 (new): A system as claimed in claim 1, characterized in that a predetermined variation pattern within said second variation allows sampling of said second variations at twice the frequency of said second variations.

Claim 12 (new): A system as claimed in claim 1, characterized in that said second variations have a first and a second phase such that a predetermined relationship between said first and said second phase coincides to a start of frame.

Claim 13 (new): A system as claimed in claim 12, characterized in that predetermined relationship is a zero crossing.

Claim 14 (new): A record carrier according to claim 4, characterized in that a predetermined variation pattern in the second variations allows sampling of said second variations at twice the frequency of said second variations.

Claim 15 (new): A record carrier according to claim 4, characterized in that said second variation have a first and a second phase such that a predetermined relationship between said first and said second phase coincides to a start of frame.

Claim 16 (new): A record carrier according to claim 15, characterized in that said predetermined relationship is a zero crossing.

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